

L87 ANSWER 1 OF 87 WPIX COPYRIGHT 1999 DERWENT INFORMATION LTD

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TITLE: Heat resistant antistatic agent for resin - consisting of compound having counter ion and cationic group in molecule.

DERWENT CLASS: A60 E19

PATENT ASSIGNEE(S): (SANN) SANYO CHEM IND LTD

COUNTRY COUNT: 1

PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG
JP--11092751	A	19990406	(199924) *	4	<--
JP---2909735	B2	19990623	(199930)	4	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
JP--11092751	A	1998JP-0206790	19980722 <--
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FILING DETAILS:

PATENT NO	KIND	PATENT NO
JP---2909735	B2 Previous Publ.	JP--11092751

PRIORITY APPLN. INFO: 1997JP-0215530 19970725

AB. JP 11092751 A UPAB: 19990624

An antistatic agent (I) for resin comprises (A) a compound having (a) a counter anion and (b) a cationic group in the molecule wherein the counter anion (a) is a super acid and the cationic group (b) links to (c) a nonionic molecular chain. Also claimed are : (1) : The cationic group (b) is a quaternary ammonium salt or phosphonium salt. (2) : The counter anion (a) is a super acid having acid coefficient (-H0) of Hammett of at least 12. (3) : The counter anion (a) is a combined super acid of (d) a proton acid and (e) a Lewis acid. (4) : The proton acid is HF, HCl, HBr or HI, the Lewis acid is BF₃, PF₅, SbF₅ or AsF₅. (5) : The nonionic molecular chain is bivalent organic group of bivalent hydrocarbon, ether, thioether, carbonyl, ester, imino, amide, imide, urethane, urea, carbonate, siloxy, heterocyclic structure containing N or O. (6) : An antistatic resin compsn. comprises a resin (II) blending (I) at a ratio of 99.9/0.1-99/10 of (II)/(I) by weight.

USE - The antistatic resin composition is used for manufacturing instrumental cover, housing of electric appliances, etc.

ADVANTAGE - The antistatic agent is more improved in heat stability than conventional ones, when it is blended with a resin having high processing temperature antistatic capacity is not lowered and less discoloured.

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